**Engineers and Planners** 

Gannett Fleming, Inc.



## MBTA Contract No. S5PS11 Massachusetts Bay Transportation Authority Light Rail Accessibility Program

March 1995 **Draft Submission**  Schematic Design Report

Architects and Planners Stull and Lee, Inc.

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systems (see Figure 1.1, MBTA Light Rail System Map.) The information presented herein establishes the groundwork for full This Schematic Design Report represents the Authority's first major step toward providing ADA-compliant accessibility on the MBTA's Green Line and Red Line Light Rail disabilities, for 15% of Schematic Design. grams for full accessibility for persons with and proposes specific station design proexisting barriers to access at each station This document fully evaluates the various accessibility at 29 Key Light Rail stations.

modifications, would set the foundation for

## Project Background

established alternative solutions. In concept, the most viable solution for Light Rail Accessibility Program (LRAP) by preparing a feasibility study which identified many of Rail System, none of which were unexpect-ed given that the Green Line system is the give serious consideration toward providing an accessible Light Rail System. The task in conjunction with corresponding station of the Green Line continues to operate on oldest subway in America. A vast majority given the many peculiarities of the Light was viewed as very complex and difficult In the mid 1980's, the Authority started to Access involved the acquisition of new Light Rail Vehicles which incorporate new the system's major barriers to access and In 1989, the MBTA initiated the Light Rail the turn of the century. the original street car lines constructed at Low Floor technology. These new vehicles,

## Project Objectives

massive design and construction program has been initiated to make the stations and

Vehicles and expects them to be in service has ordered 100 of these new Low Floor

facilities accessible and able to accommo-

date the new vehicles.

sible Light Rail system, the overall project Program (LRAP) is to provide a fully accesthis document: have been considered in the preparation of substantial overall improvements to the systhe Authority with the opportunity to make The magnitude of the project has presented goals are in actuality much more broad. tant objective of the Light Rail Accessibility Although the immediate and most impor-The following important objectives

- To provide a fully accessible Light Rail transit system fully usable by persons (ADA), MAAB, and MBTA Guide to with disabilities and in compliance with the Americans with Disabilities Act Access policies.
- Where prudent and practical, to improve safety, security, comfort and convenience to all MBTA patrons.
- To work toward improving station envi-ronments and identities in relation to surrounding neighborhoods.

INTRODUCTION

- modifications necessary to accommodate the new Low Floor Vehicles. To make the necessary system wide
- Where practical, to facilitate future improvements and expansion of Light

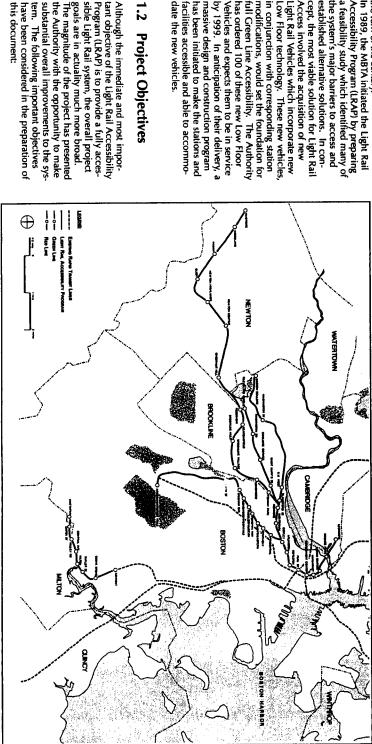


Figure 1.1: MBTA Light Rail System Map

Rev. \*